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**CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

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(Attn: TSCA 8(e) Coordinator)  
Office of Pollution Prevention and Toxics  
U.S. Environmental Protection Agency  
1200 Pennsylvania Ave., NW  
Washington, DC 2046-0001

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Attn: 8(e) Coordinator

SUBJECT: Aquatic Toxicity Data on 2-chloromethyl-1,3-dioxolane (CMD; CAS Registry No. 2568-30-1)

Shell Chemical LP is submitting the following information under TSCA 8(e), since it may constitute substantial risk information not previously known to the Administrator.

Aquatic toxicity studies conducted by Shell Global Solutions and SafePharm Laboratories in the United Kingdom on CMD indicate toxicity values lower than those predicted by EPA models. The following table provides a summary of the test data and EPA predicted values:

Test	<i>Daphnia magna</i>	<i>Oncorhynchus mykiss</i>	<i>Scenedemus subspicatus</i>
<b>Shell Global Solutions (UK) data</b>			
48-hour EC50 (immobilization) from earlier study	≥100 mg/l		
<b>SafePharm Laboratories (UK) data</b>			
21-day EC50 (immobilization)	23 mg/l		
21-day EC50 (reproduction)	9.9 mg/l		
96-hour LC50		42 mg/l	
72-hour EbC50			1.2 mg/l
72-hour ErC50			3.2 mg/l
LOEC	3.2 mg/l (21-day)		
NOEC	1.0 mg/l (21-day)	32 mg/l (96-hour)	0.625 mg/l
<b>EPA Modeling Estimates</b>			
48-hour EC50	3,025 mg/l		
16-day EC50	75.7 mg/l		
96-hour LC50		3,161.7 mg/l	
96-hour Chv			66.7 mg/l



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This report is filed to provide information EPA may find useful. In no way is it intended as a waiver of any rights or privileges belonging to Shell Chemical LP as the reporting corporation, its agents or employees. The reporting corporation, its agents and employees, reserve the right to object to this report's use or admissibility in any subsequent judicial or administrative proceeding against the corporation, its agents or employees.

This report has been compiled based on information available as of the date of filing. The corporation, its agents and employees reserve the right to supplement the data contained in this report, and to revise and amend any conclusions drawn therefrom.

This report contains no Confidential Business Information.

The following person should be contacted if you have questions or a need for discussion:

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Very truly yours,

A handwritten signature in black ink, which appears to read "P. J. Snyder", is written over the typed name.

P. J. Snyder, Global Manager  
Product Stewardship  
Shell Downstream

bc:

A. A. Hung  
C. M. Hutchings  
M. Hulse  
R. H. Dickehuth (SHR 348-07-05)